

1 IN THE CLAIMS:

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3 Listing of Claims:

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5 1. (Currently amended) A client-side caching system, comprising:  
6 a client for issuing a request based on user selection for a resource on a server;

7 and

8 a server for sending a response including a cookie and a client-side script to the  
9 client, wherein the cookie value represents the last version of the resource, and the  
10 client-side script appends the cookie value to the request for a resource and the client  
11 automatically requests the resource with the appended cookie value so that if the most  
12 recent version of the resource is in the client cache, the resource is retrieved from client  
13 cache rather than from the server, and if not, is retrieved from the server.

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15 2. (Original) The client-side caching system of claim 1, wherein the resource  
16 is a web page, the resource is located at a URL, and the client is a web browser with a  
17 browser cache.

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19 3. (Currently amended) The client-side caching system of claim 1, wherein  
20 the response includes a non-displayed relatively small page and the cookie is in a  
21 response header and the client-side script is in the entity body of the response.

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23 4. (Currently amended) The client-side caching system of claim 1, wherein  
24 the client-side script that appends the cookie value to the request is embedded in a  
25 displayed page.

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1           5. (Currently amended) A server for a client-side caching system,  
2 comprising:

3           a server for receiving a client request for a resource, updating a database,  
4 creating and inserting a cookie and a client-side script in a response to the client,  
5 wherein the cookie value represents the last version of the resource, the client-side  
6 script appends the cookie value to the request for a resource such that the client  
7 automatically re-requests the resource with the appended cookie value so that if the  
8 most recent version of the resource is in the client cache, the resource is retrieved from  
9 client cache rather than from the server, and if not, the resource is retrieved from the  
10 server.

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12         6. (Currently amended) The server of claim [3] 5, wherein the server includes  
13 a web server for listening to client requests, the resource is a web page, and an  
14 application server for creating the cookie and inserting the cookie into a response  
15 header and inserting the client-side script into the entity body of the response.

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17         7. (Currently amended) ~~A server-side caching system, comprising:~~  
18 ~~a server programmed for receiving client requests, updating a database, and~~  
19 ~~generating a response and determining a cookie value for cache control~~ The server of  
20 claim 6, wherein the server sets the cookie value by determining the last modified time  
21 of each web page in the same class as the web page which is the subject of the  
22 request, and sets the cookie value to the maximum value of the last modified times.

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24         8. (New) The client-side caching system of claim 2, wherein the server sets  
25 the cookie value by determining the last modified time of each web page in the same  
26 class as the web page which is the subject of the request, and sets the cookie value to  
27 the maximum value of the last modified times.  
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1           9. (New) A client-side caching system, comprising:  
2           a client for issuing a request based on a user selection for a resource stored on  
3           a server and for receiving a server response including a cache control object and a  
4           client-side script, wherein the cache control object represents the correct version of the  
5           resource, the client-side script appends the cache control object value to the request for  
6           the resource, and the client automatically re-requests the resource with the appended  
7           cache control object value so that if the correct version of the resource is in the client  
8           cache, the resource is retrieved from the client cache rather than from the server, and if  
9           not, the resource is retrieved from the server.

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11         10. (New) The client-side caching system of claim 9, wherein the resource is a  
12         web page located at a URL, the correct version is the last version of the resource, and  
13         the client is a web browser with a browser cache.

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15         11. (New) The client-side caching system of claim 10, wherein the request  
16         and the response are HTTP compliant, the response is a relatively small non-displayed  
17         page, the cache control object is a cookie in a response header, and the client-side  
18         script is in the entity body of the response.

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20         12. (New) The client-side caching system of claim 9, wherein the client-side  
21         script that appends the cache control object to the request is embedded in a displayed  
22         page.

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24         13. (New) The client-side caching system of claim 9, wherein Internet  
25         protocols define communication between the client and the server, and the correct  
26         version is the last version of the resource.

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1           14. (New) The client-side caching system of claim 11, wherein the server sets  
2 the cookie value by determining the last modified time of each page in the same class  
3 as the page which is the subject of the request, and sets the cookie value to the  
4 maximum value of the last modified times.

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6           15. (New) A method of client-side caching in a server, comprising:  
7 receiving a client request for a web page; and  
8 inserting a cookie and a client-side script in response to the client request,  
9 wherein the cookie value represents the last version of the web page, wherein the  
10 client-side script appends the cookie value to the client request for the web page such  
11 that the client automatically re-requests the web page with the appended cookie value  
12 so that if the most recent version of the web page is in the client cache, the web page is  
13 retrieved from client cache rather than from the server, and if not, the web page is  
14 retrieved from the server.

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16           16. (New) The method of claim 15, further comprising determining the last  
17 modified time of each web page in the same class as the web page which is the subject  
18 of the request, and setting the cookie value to the maximum value of the last modified  
19 times.

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21           17. (New) The method of claim 15, further comprising:  
22 reviewing the extension of the requested web page to determine run time  
23 environment;  
24 loading the run time environment; and  
25 updating a database with information from the client request.

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1        18. (New) A method of client-side caching in a browser, comprising:  
2            presenting a user selection for a web page at a URL; and  
3            receiving a server response including a cookie and client-side script, wherein the  
4            cookie value represents the most recent version of the web page, the client-side script  
5            appends the cookie value to the URL and automatically re-requests the web page with a  
6            rewritten URL of the URL with the appended cookie value so that if the most recent  
7            version of the web page is in the browser cache, the web page is retrieved from the  
8            browser cache, and if not, the resource is retrieved from the server.

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